

U. S. NUCLEAR REGULATORY COMMISSION  
MATERIALS LICENSE

Agreement No. 02

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 31, 32, 33, 34, 35, 36, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s); and to import such byproduct and source material. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with application dated June 27, 1979	
1. Philips Medical Systems, Inc.		3. License number 05-10081-03 is amended in its entirety to read as follows:	
2. 710 Bridgeport Avenue Shelton, Connecticut 06484		4. Expiration date November 30, 1984	
		5. Docket or Reference No.	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	
A. Series 137	A. Sealed Source (Storchen Corp. Type 2060 Model CS-2-10)	A. One source of 100 milli- curies	
B. Series 133	B. Sealed Sources (Isotope Products Model 233)	B. Not to exceed 100 micro- curies per source	

## 9. Authorized use

- A. For use in Son Corporation Model 64-764 calibrator device for calibration of instruments.
- B. For use in testing detectors.

## CONDITIONS

10. Licensed material shall be used only at the licensee's address stated in Item 2 above.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."

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## MATERIALS LICENSE

Supplementary Sheet

CONDITIONS

License Number 6-10681-03Docket or  
Reference No. \_\_\_\_\_

Appendix No. 02

(continued)

12. Licensed material shall be used by, or under the supervision of, Robert J. Jurutik, Wolfgang Schott, Eric C. Lavery, Larry Bluse, David C. Bonar or Arnold C. Vega.
13. 7. (1) Each sealed source containing licensed material, other than Hydrogen 3 with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- (2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
- (3) The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- (4) If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the U. S. Nuclear Regulatory Commission, Region I, Office of Inspection and Enforcement, 531 Park Avenue, 8th of Prussia, Pennsylvania 19406, describing the equipment involved, the test results, and the corrective action taken.
- (5) Tests for leakage and/or contamination shall be performed in accordance with procedures contained in application dated June 27, 1979 or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be altered.

## MATERIALS LICENSE

Supplementary Sheet

CONDITIONS

License Number 66-10081-63Docket or  
Reference No. \_\_\_\_\_Attachment No. 02

(continued)

15. The licensee shall calibrate survey instruments to within plus or minus 10% of the calculated values at two points on each scale with the points separated by at least 50% of the scale at 6 months intervals. Alternatively, the licensee may calibrate survey instruments to within plus or minus 20% of the calculated values at each point calibrated if a calibration chart or graph is attached to the side of the survey instrument.
16. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, location of sealed sources, and the date of the inventory.
17. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated June 27, 1979. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

DEC 11 1979

Date \_\_\_\_\_

For the U. S. Nuclear Regulatory Commission

JAMES A. [illegible]

Material Licensing Branch

by \_\_\_\_\_

Division of Fuel Cycle and  
Material Safety  
Washington, D.C. 20555